VERSION WITH MARKINGS TO SHOW CHANGES MADE

Submitted herewith is a marked-up version of the

specification and claims to show changes made in the foregoing

Amendment.

IN THE CLAIMS

Claims 1 and 6 have been amended as follows:

--1.   (Amended) A method of controlling an induction

generator, said method comprising the steps of:

measuring a plurality of current amounts in the generator

using a plurality of current sensors;

transforming the plurality of current amounts into a two

phase reference system;

measuring a DC voltage supplied to an inverter, the inverter

being operatively connected to the generator;

measuring a plurality of [voltage amounts in the generator

using a plurality of voltage sensors] generator voltages;

transforming the plurality of [voltage amounts] generator

voltages into the two phase reference system;

calculating a flux in the generator using the currents and the voltages obtained by said steps of transforming so as to obtain a magnitude and position of the flux;

comparing the calculated flux magnitude with a desired flux to determine a flux error amount, the flux error amount being input to a flux regulator;

determining a d-axis voltage so as to reduce the flux error amount;

comparing a desired DC voltage with the measured DC voltage to determine a voltage error amount, the voltage error amount being input to a voltage regulator;

determining a desired torque amount so as to reduce the voltage error amount;

comparing the desired torque amount with an estimated torque amount to determine a torque error amount, the torque error amount being input to a torque regulator;

determining a q-axis voltage so as to reduce a torque error amount; and

transforming the d-axis voltage and the q-axis voltage to stationary reference frame, n-phase voltages using the position of the flux, wherein n is substantially equal to a number of generator phases.--

-- 6. (Amended) A method of controlling an induction generator, said method comprising the steps of:

measuring a plurality of current amounts in the generator using a plurality of current sensors;

transforming the plurality of current amounts into a two phase reference system;

measuring a DC voltage supplied to an inverter, the inverter being operatively connected to the generator;

measuring a plurality of [voltage amounts in the generator using a plurality of voltage sensors] generator voltages;

transforming the plurality of [voltage amounts] generator voltages into the two phase reference system;

calculating a flux in the generator using the currents and the voltages obtained by said steps of transforming so as to obtain a magnitude and position of the flux;

comparing the calculated flux magnitude with a desired flux to determine a flux error amount, the flux error amount being input to a flux regulator;

determining a d-axis voltage so as to reduce the flux error amount;

determining a desired torque amount by obtaining a desired

generator shaft torque amount and converting the desired

generator shaft torque amount to the desired torque amount by a

mapping function;

comparing the desired torque amount with an estimated torque

amount to determine a torque error amount, the torque error

amount being input to a torque regulator;

determining a q-axis voltage so as to reduce a torque error

amount; and

transforming the d-axis voltage and the q-axis voltage to

stationary reference frame n-phase voltages using the position of

the flux, wherein n is substantially equal to a number of

generator phases.--